

**FEET TRANSMITTAL
FOR FY 2002**

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT \$ 168.00

Complete if Known

09/460,324

12/10/1999

Kenneth J. Kasha

1661

Anne Marie Grubert

*RECEIVED JUL 31 2002**USPTO CENTER 1600/2002*

Application Number	09/460,324
Filing Date	12/10/1999
First Named Inventor	Kenneth J. Kasha
Group Art Unit	1661
Examiner Name	Anne Marie Grubert
Attorney Docket Number	411044.90021

METHOD OF PAYMENT (check one)

1. The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number	17-0055
Deposit Account Name	Quarles & Brady LLP

Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

Applicant claims small entity status See 37 CFR 1.27

2. Payment Enclosed:

<input type="checkbox"/> Check	<input type="checkbox"/> Credit Card	<input type="checkbox"/> Money Order	<input type="checkbox"/> Other
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FEE CALCULATION (continued)**3. ADDITIONAL FEES**

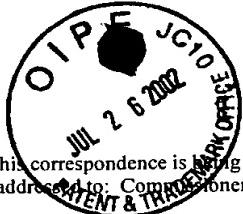
Large Entity Fee Code	Small Entity Fee Code	Fee (\$)	Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for reexamination	
112	920	112	920	Requesting publication of SIR prior to Examiner action	
113	1,840	113	1,840	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive unavoidably abandoned application	
141	1,280	241	640	Petition to revive unintentionally abandoned application	
142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Petitions related to provisional applications	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	740	246	370	Filing a submission after final rejection (37 CFR 1.129(a))	
146	740	246	370	For each additional invention to be examined (37 CFR 1.129(b))	
179	740	270	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	
Other fee (specify) _____					
Reduced by Basic Filing Fee Paid					
SUBTOTAL (3) (\$).00					

SUBTOTAL (2) (\$). 168.00

SUBTOTAL (3) (\$).00

SUBMITTED BY**Complete (if applicable)**

Typed or Printed Name	Nicholas J Seay	Registration No. (Attorney/Agent)	27,386	Telephone	608/251-5000
Signature				Date	July 23, 2002



I hereby certify that this correspondence is being deposited with the United States Postal Service on the date set forth below as First Class Mail in an envelope addressed to: Commissioner for Patents, P O Box 2327, Arlington, VA 22202.

Date of Signature and Deposit: July 23, 2002

Nicholas J. Seay

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JUL 31 2002

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8-7-02
PATENT
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
TECH CENTER 1600/26A

Applicants: Kenneth J. Kasha
Ecaterina Simion

Date: July 23, 2002

Serial No.: 09/460,324

Group Art Unit: 1661

Filed: 12/10/99

Examiner: Anne Marie Grunberg

Title: EMBRYOGENESIS AND PLANT
REGENERATION FROM MICROSPORES

File No.: 411044.90021

AMENDMENT

Commissioner for Patents
P O Box 2327
Arlington, VA 22202

Sir:

In response to the Office Action of April 23, 2002, please amend the above identified application as follows.

In the Claims

Please amend Claims 1, 17 and 18 as follows:

- A /
- B /
1. (Amended) A method of producing an embryo comprising the steps of:
 - (a) harvesting a microspore-containing plant segment from a donor plant;
 - (b) incubating said segment under pre-treatment conditions to maintain from about 50% to about 100% of microspores at a uninucleate stage of development;
 - (c) isolating microspores from said segment; and
 - (d) incubating said isolated microspores in an induction medium comprising arabinogalactan protein to induce embryogenesis, thereby producing embryos.